

Aura Science Team Meeting
18-21 March 2003
Computer Sciences Corporation Auditorium
GreenTec IV Building
7700 Hubble Drive
Lanham-Seabrook, MD

AGENDA

Tuesday, 18 March 2003

Working Group Meetings - Please arrive early to register

Validation	8:30 a.m. - 5:00 p.m.
Data systems	2:00 p.m. - 5:00 p.m.
Aerosols	1:00 p.m. - 3:00 p.m.
Education and Outreach	1:00 p.m. - 4:00 p.m.

Aura Science Working Group - Dinner Meeting (Details TBD)

Wednesday, 19 March 2003

7:45	Registration
8:30	Welcome
8:35	Headquarters wisdom
	- Jack Kaye
	- Phil DeCola
9:00	Project Status
	- Project overview - Rick Pickering
	- Mission operations - Carolyn Dent
	- ESDIS mission planning review - Glenn Iona
10:15	Break
10:30	Instrument Status
	- HIRDLS - John Gille/John Barnett
	- MLS - Joe Waters
	- OMI - Pietermel Levelt
	- TES - Reinhard Beer
12:30	Lunch

WORKING GROUP REPORTS

1:30	Data Systems Working Group
1:55	Education and Outreach
2:20	Aerosols
2:40	Validation Data Center (summary)- Bojan Bojkov

3:00 A strategic initiative for UT/LS research at NCAR (Laura Pan)
 3:15 The Tropical Composition and Climate Coupling and CRYSTAL
 Experiment (TC4) Experiment: Flight planning options and
 AURA validation (Paul Wennberg)
 3:30 Break
 3:45 The Far-Infrared Spectroscopy of the Troposphere (FIRST)
 Project - A new instrument for AURA validation
 (Marty Mlynchzak)
 4:00 OMI Validation activities by the Netherlands, focused on
 aerosol and NO₂ validation (Mark Kroon)
 4:15 Seasonal and interannual variability of isoprene emissions over
 North America as determined by HCHO column measurements from
 GOME (Dorian Abbot)
 4:30 Transpacific satellite and aircraft observations of Asian
 pollution (Collette Heald)
 4:45 Observing gravity waves via satellite: Measuring horizontal
 wavelength and wave momentum flux (Joan Alexander)
 5:00 The Tropical Composition and Climate Coupling and CRYSTAL
 Experiment (TC4) Experiment: Synergistic science with AURA
 satellite data (Ross Salawitch)
 5:15 Adjourn

Thursday, 20 March 2003

8:30 Overview of Aura validation (Mark Schoeberl)
 8:50 Validation Working Group report (Lucien Froidevaux, Anne Douglass)
 9:25 MOPITT and TRACE-P (Daniel Jacob)
 9:35 ENVISAT (Kelly Chance)
 9:55 ENVISAT validation (Ernie Hilsenrath)
 10:15 Break
 10:30 Aura collaborative science - The union of missions (Jim Anderson)
 12:00 Lunch
 1:00 The A Train
 - AQUA - Claire Parkinson
 - Cloud-Sat - Graeme Stephens
 - CALIPSO - Chip Trepte/Dave Winker
 - PARASOL - Mark Schoeberl for Tannre
 - OCO - Charles Miller
 3:15 Break
 3:30 Aerosol trends and impact on climate over northwestern Europe from
 1979 to 2001 (Pepijn Veefkind)
 3:45 Cirrus clouds for HIRDLS applications (Steve Massie)
 4:00 Studies of tropospheric ozone in the DAO ozone assimilation system
 (Hiroo Hayashi)

4:15 Does convection hydrate or dehydrate the TTL? A case study of A-train science (Andy Dessler)
 4:30 Definitions and the sharpness of the extratropical tropopause (Laura Pan)
 4:45 The "tape recorder" and the Asian monsoon (Mark Olsen)
 5:00 Adjourn

Friday, 21 March 2003

8:30 Improving the GOME total ozone product by utilizing OMI expertise (Pepijn Veefkind)
 8:45 Assimilation of satellite ozone data at the DAO (Ivanka Stajner)
 9:00 Impact of short-term evolution of covariances on ozone data assimilation (Krzysztof Wargan)
 9:15 Chemical data assimilation and satellite validation (David Lary)
 9:30 Intercomparisons of NASA's GEOS and other meteorological analyses for stratospheric studies (Gloria Manney)
 9:45 Break
 10:00 Action Items
 - Next Meeting
 11:30 Adjourn